



August 13, 2020

Brad Bennett, PG
Water & Environmental Technologies
102 Cooperative Way, Suite 100
Kalispell, Montana 59901

Doug Peppmeier, PE
TD&H Engineering
450 Corporate Drive, Suite 101
Kalispell, MT 59901

RE: Rolling Acres Subdivision
Non-Degradation
Flathead County
EQ # 20-2267

Dear Mr. Bennett and Mr. Peppmeier:

In response to the above referenced submittal, the Department has completed its determination of significance for this project as outlined below. This determination is made pursuant to the Administrative Rules of Montana, ARM 17.30.701-717 and 17.30.501-518. This determination is based on the information submitted and is not valid if that material contains any substantive errors, inaccuracies, or misrepresentations, or if any substantive changes from the proposal are made in the project.

This approval is based on the information received on July 24, 2020 including the following:

1. Locations, dimensions, and orientations of the drainfields as shown in the updated figures.
2. Standard sewage treatment systems.
3. Soil application rate of 0.4 gpd/ft² for all drainfields based on the test pit data.

Please note, a test pit waiver will be required pursuant to ARM 17.36.325(3)(b) as every drainfield location does not have a test pit located within 25 feet nor does the multiple user system located on Lot 77 have three test pits.

In the event the locations, dimensions, and orientations or application rate of the drainfields changes as a result of the waiver determination, revised non-degradation calculations may be required.

When you submit the additional information for the continued review of this project, please use the submittal title and E.Q. # noted above to ensure that the information is placed with your particular

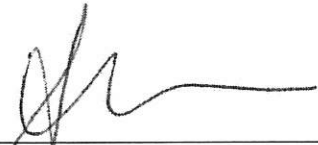
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proposal.

If you have any questions regarding the above, please contact me at the Water Quality Division at 406-461-9844.

Sincerely,



Ashley N. Kroon, PE
Environmental Engineer
Public Water & Subdivision Section
Engineering Bureau
e-mail – Akroon@mt.gov

cc: file
Flathead County Sanitarian
Owner – Bruce Wiederspiel, 2783 Columbia Falls Stage, Columbia Falls, MT 59912

SCANNED

SUBDIVISION SIGNIFICANCE DETERMINATION CHECKLIST MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ)

Subdivision Name Rolling Acres Subdivision

EQ Number 20-2267 Date Reviewed 8/13/2020

Reviewer Ashley Kroon 2nd Reviewer _____

Determination: 01/2000 ___ Significant XX Non-Significant ___ Incomplete rev.

Part I: Applicability/Exclusions	YES/NO	Notes / Basis for decision.
ARM 17.30.701(1) & 75-5-103(9), MCA 1. Are any high quality waters affected? (Include downstream and downgradient) If NO, the nondegradation requirements are not applicable.	YES	
ARM 17.30.702(16) & 17.30.705(1) 2. New or increased source of pollutants? If NO, the nondegradation requirements are not applicable.	YES	Development consists of 77 single living units served by individual, shared, or multiple-user onsite septic systems.
3. Activity categorically excluded under ARM 17.30.716 or 75-5-317, MCA? If YES, the Activity is Non-Significant.	NO	
4. Non-Significant under ARM 17.30.715(3)? (Public Notice Required) If YES, the Activity is Non-Significant.	NO	
ARM 17.30 sub-chapter 5 5. Is this determination contingent upon granting a mixing zone? If YES, determine if a mixing zone can be granted before going on to Part II. If NO, continue on to Part II.	NO	May 12, 2020 determination from Eric Regensburger based on test well data that the shallowest groundwater is confined.
Part II: Significance Determination	YES/NO	Notes / Basis for decision.
ARM 17.30.715(1)(a) 6. Change in mean monthly flow of the surface water > 15%, or change in 7Q10 flow > 10%.	NO	
ARM 17.30.715(1)(b) 7. Concentration of carcinogen or parameter with BCF > 300 in discharge greater than receiving water.	NO	
ARM 17.30.715(1)(c) 8. Increase in toxics or nutrients > trigger value and concentration after mixing > 15% of lowest applicable standard. For nutrients, if the answer is YES, the criteria in question #10 must also be exceeded for the activity to be significant.	N/A	No drainfields located within ¼ mile of nearest surface water, which are un-named sloughs to the immediate south. All drainfields located greater than ¼ mile, but less than ½ mile from the sloughs are sized at a 0.4 gpd/ft ² application. In accordance with Section 5.0 and Appendix T of the Department's Non-Degradation Manual (2015 ed.) no trigger analysis required.
ARM 17.30.715(1)(f) 9. Increase of a harmful parameter > 10% of applicable standard and existing water quality > 40% of applicable standard.		
ARM 17.30.715(1)(g) 10. Measurable effect on a beneficial use or measurable changes in aquatic life or ecological integrity from a narrative parameter.		
11. Increase in nitrate-nitrogen in groundwater at a mixing zone boundary exceeds that allowed in ARM 17.30.715(1)(d).	N/A	See above, shallowest groundwater is confined.
ARM 17.30.715(1)(e) 12. Increases in phosphorus in groundwater where adsorptive capacity of soils will be exceeded within 50 years and will reach surface water, or the activity does not employ department approved water quality protection practices.	NO	Depth of limiting layer used in the phosphorus breakthrough analysis was 40 feet based on data collected during the construction of Wells 1, 2, and 3 (minimum depth for 50-year breakthrough was 16 feet for worst case drainfield). Due to depth of material available for phosphorus adsorption beneath the infiltrative surface, breakthrough is greater than 50 years for all proposed drainfield locations.
13. Significant under ARM 17.30.715(2)?	NO	

If any answers to Questions #6 through #13 is YES, the Activity is Significant (except for question #8 as applied to nutrients).

SCANNED